EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|------------------------------|---------------------|---------|---------------------|
| L1 | 0 | (nanowall OR nano?wall OR nanosheet OR nano?sheet) and trifluoromethane | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/29 13:09 |
| L2 | 1 | (nanowall OR nano?wall OR nanosheet OR nano?sheet) and (trifluoromethane OR "CHF.sub.3") | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/29 13:10 |
| S1 | 43281 | (nanowall OR nano?wall) OR ((carbon OR graphite OR fullerene) WITH sheet) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/26 15:02 |
| S2 | 86 | (nanowall OR nano?wall) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/26 15:03 |
| S3 | 356 | (nanowall OR nano?wall OR nanosheet OR nano?sheet) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/26 15:06 |
| S4 | 4 | (nanowall OR nano?wall OR nanosheet OR nano?sheet) and (decompo\$4 OR break \$4 down) WITH radical | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/26 15:06 |
| S5 | 4 | (nanowall OR nano?wall OR nanosheet OR nano?sheet OR "CNW") and (decompo \$4 OR break\$4 down) WITH radical | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/26 15:11 |
| S6 | 95 | (nanowall OR nano?wall OR nanosheet OR nano?sheet OR nadical | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/26 15:11 |
| S7 | 83 | (nanowall OR nano?wall OR nanosheet OR nano?sheet) and radical | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/26 15:11 |
| S8 | 221 | (nanowall OR nano?wall OR nanosheet OR nano?sheet) and hydrogen | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/26 15:14 |
| S9 | 27 | (nanowall OR nano?wall OR nanosheet OR nano?sheet) and hydrogen WITH (excited OR plasm\$6 OR unstable) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/26 15:15 |

| S10 | 42 | (nanowall OR nano?wall OR nanosheet OR nano?sheet) and hydrogen WITH (excited OR plasm\$6 OR unstable OR electron) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/26 15:15 |
|------|------|---|------------------------------|-----|----|---------------------|
| S17 | 721 | (nanowall OR nano?wall OR nanosheet OR nano?sheet OR "CNW" or nano wall or nano sheet OR (graphene OR carbon) (sheet OR plate)) and radical | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/27 23:17 |
| S18 | 715 | (nanowall OR nano?wall OR nanosheet OR nano?sheet or nano wall or nano sheet OR (graphene OR carbon) (sheet OR plate)) and radical | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/27 23:17 |
| S19 | 1267 | (nanowall OR nano?wall OR nanosheet OR nano?sheet OR "CNW" or nano wall or nano sheet OR ((graphene OR carbon) adj3 (sheet OR plate))) and radical | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/27 23:17 |
| \$20 | 36 | (nanowall OR nano?wall OR nanosheet OR nano?sheet OR nano wall or nano sheet OR (graphene OR carbon) (sheet OR plate)) and radical WITH (decompo\$4 OR break\$4 down) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/27 23:18 |
| S21 | 0 | electron WITH cyclotron and nanowall | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/27 23:51 |
| S22 | 0 | electron WITH cyclotron and nano?wall | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/27 23:52 |
| S23 | 0 | electron and cyclotron and nano?wall | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/27 23:52 |
| S24 | 291 | electron and (nano?wall OR nanowall OR nanosheet OR nano?sheet) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/27 23:53 |
| S25 | 81 | electron and (nano?wall OR nanowall) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/27 23:53 |

| S26 | 19074 | (nanowall OR nano?wall OR nanosheet OR nano?sheet or nano sheet or nano wall or nano sheet OR (graphene OR carbon OR fullerene) near4 (sheet OR plate OR plate?like OR wall)) and (radical OR electron OR ion) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:13 |
|-------------|-------|---|------------------------------|-----|----|---------------------|
| S27 | 16274 | (nanowall OR nano?wall OR nanosheet OR nano?sheet or nano sheet or nano wall or nano sheet OR (graphene OR carbon OR fullerene) near3 (sheet OR plate OR plate?like OR wall)) and (radical OR electron OR ion) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:14 |
| S28 | 4032 | (nanowall OR nano?wall OR nanosheet OR nano?sheet or nano sheet or nano wall or nano sheet OR (graphene OR carbon OR fullerene) near3 (sheet OR plate OR plate?like OR wall)) and (radical OR electron OR ion) and plasma | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:14 |
| S2 9 | 169 | (nanowall OR nano?wall OR nanosheet OR nano?sheet or nano sheet or nano wall or nano sheet OR (graphene OR carbon OR fullerene) near3 (sheet OR plate OR plate?like OR wall)) and (radical OR electron OR ion) WITH (decompos\$4 OR break\$4 down) and plasma | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:14 |
| S30 | 3296 | (nanowall OR nano?wall OR nanosheet OR nano?sheet or nano sheet or nano sheet OR (graphene OR carbon OR fullerene) near3 (sheet OR plate OR plate?like OR wall)) and (radical OR electron OR ion) WITH (generat\$4) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:17 |

| S31 | 35 | (nanowall OR nano?wall OR nanosheet OR nano?sheet or nano sheet or nano wall or nano sheet OR (graphene OR carbon OR fullerene) near3 (sheet OR plate OR plate?like OR wall)) and (radical OR electron OR ion) WITH (generat\$4) WITH separat \$4 WITH plasma | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:17 |
|-----|------|---|------------------------------|-----|----|---------------------|
| S32 | 3761 | (nanowall OR nano?wall OR nano wall or (graphene OR carbon OR fullerene) near3 wall) and (radical OR ion) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:20 |
| S33 | 1842 | (nanowall OR nano?wall OR nano wall or (graphene OR carbon OR fullerene) adj3 wall) and (radical OR ion) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:20 |
| S34 | 796 | (nanowall OR nano?wall OR nano wall or (graphene OR carbon OR fullerene) adj2 wall) and (radical OR ion) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:20 |
| S35 | 153 | (nanowall OR nano?wall OR nano wall or (graphene OR carbon OR fullerene) adj2 wall) and (radical OR ion) WITH (hydrogen OR inert OR noble) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:21 |
| S36 | 12 | (nanowall OR nano?wall OR nano wall) and (radical OR ion) WITH (hydrogen OR inert OR noble) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:24 |
| S37 | 66 | (nanowall OR nano?wall OR nano wall) and (radical OR ion) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:24 |
| S38 | 1562 | (two dimensional OR "2D" OR 2-D OR "2" dimensional) WITH (carbon OR fullerene OR graphene) and (radical OR ion) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:26 |
| S39 | 1 | (two dimensional OR "2D" OR 2-D OR "2" dimensional) WITH (carbon OR fullerene OR graphene) WITH nano?size and (radical OR ion) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:27 |

| S40 | 30 | (two dimensional OR "2D" OR 2-D OR "2" dimensional) WITH (carbon OR fullerene OR graphene) WITH ((nano WITH (size OR range)) OR nano) and (radical OR ion) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:27 |
|-----|-----|--|---|-----|-----|---------------------|
| S41 | 53 | (two dimensional OR "2D" OR 2-D OR "2" dimensional) WITH (carbon OR fullerene OR graphene) WITH ((nano WITH (size OR range)) OR nano) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:59 |
| S42 | 98 | (nanowall OR nano?wall OR nano wall) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:59 |
| S43 | 3 | S41 and S42 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:59 |
| S44 | 148 | S41 OR S42 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 09:59 |
| S45 | 1 | ("6383896").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2010/07/28 10:00 |
| S46 | 53 | (two dimensional OR "2D" OR 2-D OR "2" dimensional) WITH (carbon OR fullerene OR graphene) WITH ((nano WITH (size OR range)) OR nano) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 10:16 |
| S47 | 98 | (nanowall OR nano?wall OR nano wall) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 10:16 |
| S48 | 81 | S46 OR S47 and (ion OR radical) WITH (source OR material) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 10:16 |
| S49 | 47 | (S46 OR S47) and (ion OR radical) WITH (source OR material) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 10:20 |
| S50 | 1 | ("5980999").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2010/07/28 10:33 |
| S51 | 98 | (nanowall OR nano?wall OR nano wall) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:19 |

| S52 | 21 | S51 and ("CH.sub.4") | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:19 |
|-------------|-----|---|---|-----|-----|---------------------|
| S53 | 33 | S51 and ("CH.sub.4" or methane) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:20 |
| S54 | 1 | (10/569838).APP. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2010/07/28 22:30 |
| S55 | 1 | S51 and (fluorohydrocarbon OR "CHF.sub.3" OR fluorinated hydrocarbon OR fluorinated hydro?carbon OR fluoro? hydrocarbon) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:36 |
| \$56 | 215 | (nanowall OR nano?wall OR nanosheet OR nano?sheet or nano sheet or nano wall or nano sheet OR (graphene OR carbon OR fullerene) near3 (sheet OR plate OR plate?like OR wall)) and (fluorohydrocarbon OR "CHF.sub.3" OR fluorinated hydro?carbon OR fluoro? hydrocarbon) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:37 |
| S 57 | 277 | (nanowall OR nano?wall OR nanosheet OR nano?sheet or nano sheet or nano wall or nano sheet OR (graphene OR carbon OR fullerene) near3 (sheet OR plate OR plate?like OR wall)) and (fluorohydrocarbon OR "CHF.sub.3" OR fluorinated hydrocarbon OR fluorinated hydro?carbon OR fluoro? hydrocarbon OR hydrofluorocarbon OR hydro?fluorocarbon OR hydro?fluorocarbon OR hydro?fluorocarbon OR | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:39 |

| S58 | 3 | (nanowall OR nano?wall OR nanosheet OR nano?sheet or nano sheet) and (fluorohydrocarbon OR "CHF.sub.3" OR fluorinated hydrocarbon OR fluoro? hydrocarbon OR hydrofluorocarbon OR hydro?fluorocarbon OR hydro?fluorocarbon OR hydro?fluorocarbon OR hydro?fluorocarbon) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:39 |
|-----|-----|--|------------------------------|-----|----|---------------------|
| S59 | 53 | (two dimensional OR "2D" OR 2-D OR "2" dimensional) WITH (carbon OR fullerene OR graphene) WITH ((nano WITH (size OR range)) OR nano) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:39 |
| S60 | 98 | (nanowall OR nano?wall OR nano wall) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:39 |
| S61 | 148 | S59 OR S60 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:39 |
| S62 | 3 | S61 and (fluorohydrocarbon OR "CHF.sub.3" OR fluorinated hydrocarbon OR fluorinated hydro?carbon OR fluoro? hydrocarbon OR hydrofluorocarbon OR hydro?fluorocarbon OR hydro?fluoro?carbon) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:39 |
| S63 | 243 | (nanostructure OR nano? structure) and (fluorohydrocarbon OR "CHF.sub.3" OR fluorinated hydrocarbon OR fluorinated hydro?carbon OR fluoro? hydrocarbon OR hydrofluorocarbon OR hydro?fluorocarbon OR hydro?fluoro?carbon) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:49 |

| S64 | 2 | (nanostructure OR nano? structure) and (fluorohydrocarbon OR "CHF.sub.3" OR fluorinated hydrocarbon OR fluorinated hydro?carbon OR fluoro? hydrocarbon OR hydrofluorocarbon OR hydro?fluorocarbon OR hydro?fluorocarbon OR hydro?fluoro?carbon) WITH carbon near3 (source OR material OR precursor) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:49 |
|-------------|------|---|------------------------------|-----|----|---------------------|
| S 65 | 6 | nano and (fluorohydrocarbon OR "CHF.sub.3" OR fluorinated hydrocarbon OR fluorinated hydro?carbon OR fluoro? hydrocarbon OR hydrofluorocarbon OR hydro?fluorocarbon OR hydro?fluoro?carbon) WITH carbon near3 (source OR material OR precursor) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:49 |
| S66 | 177 | (fluorohydrocarbon OR "CHF.sub.3" OR fluorinated hydrocarbon OR fluorinated hydro?carbon OR fluoro? hydrocarbon OR hydrofluorocarbon OR hydro?fluorocarbon OR hydro?fluoro?carbon) WITH carbon near3 (source OR material OR precursor) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:50 |
| S67 | 165 | (fluorohydrocarbon OR "CHF.sub.3" OR fluorinated hydrocarbon OR fluorinated hydro?carbon OR fluoro? hydrocarbon OR hydrofluorocarbon OR hydro?fluorocarbon OR hydro?fluorocarbon OR hydro?fluoro?carbon) and "977"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:54 |
| S68 | 3168 | (halogen OR fluorine) WITH carbon near3 (source OR material OR precursor) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:58 |
| S69 | 40 | (halogen OR fluorine) WITH carbon near3 (source OR material OR precursor) and "977"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 22:58 |
| S70 | 26 | (fluorine) WITH carbon near3 (source OR material OR precursor) and "977"/\$. ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:08 |

| S71 | 44 | (fluorine) SAME carbon near3 (source OR material OR precursor) and "977"/\$. ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:12 |
|-------------|------|--|------------------------------|-----|----|---------------------|
| S72 | 15 | (fluorine) WITH dop\$4 SAME3 carbon near3 (source OR material OR precursor) and "977"/\$. ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:14 |
| S73 | 0 | (hydrogen WITH fluorine WITH carbon OR "CHF. sub.3") WITH (precursor OR source) "977"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:20 |
| S74 | 0 | ("CHF.sub.3") WITH (precursor OR source) "977"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:20 |
| S7 5 | 0 | hydrogen WITH carbon WITH fluorine "977"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:20 |
| S76 | 9 | (hydrogen WITH fluorine WITH carbon OR "CHF. sub.3") WITH (precursor OR source) and "977"/\$. ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:20 |
| S77 | 177 | (hydrogen WITH fluorine WITH carbon OR "CHF. sub.3") and "977"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:23 |
| S78 | 15 | S61 and hydrogen WITH carbon near4 (source OR precursor OR material) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:27 |
| S79 | 1081 | nano and hydrogen WITH carbon near4 (source OR precursor OR material) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:28 |
| S80 | 364 | (nanostructure OR nano? structure) and hydrogen WITH carbon near4 (source OR precursor OR material) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:28 |
| S81 | 726 | fluorine SAME hydrogen WITH carbon near4 (source OR precursor OR material) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:30 |
| S82 | 20 | fluorine SAME hydrogen WITH carbon near4 (source OR precursor OR material) and (nanostructure OR nano?structure OR fullerene OR bucky) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:31 |

| S83 | 27 | fluorine SAME hydrogen WITH carbon near4 (source OR precursor OR material) and (nanostructure OR nano?structure OR fullerene OR bucky OR CNT OR nanotube OR nano? tube) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:33 |
|-----|-----|---|------------------------------|-----|----|---------------------|
| S84 | 15 | S61 and hydrogen WITH reduc\$4 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:46 |
| S85 | 22 | S61 and hydrogen WITH carbon WITH (source OR precursor OR material) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:47 |
| S86 | 547 | (nanostructure OR nano? structure) and hydrogen WITH carbon WITH (source OR precursor OR material) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:57 |
| S87 | 70 | (nanostructure OR nano? structure) and hydrogen WITH carbon WITH (source OR precursor OR material) SAME propert\$4 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/28 23:58 |
| S88 | 76 | "977"/\$.ccls. and hydrogen WITH carbon WITH (source OR precursor OR material) SAME propert\$4 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/29 00:01 |
| S89 | 2 | "977"/\$.ccls. and hydrogen WITH carbon WITH (source OR precursor OR material) SAME morpholog\$4 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/29 00:03 |
| S90 | 290 | (alternat\$4 OR switch\$4) WITH (carbon) WITH (source OR material OR precursor) and "977"/\$. ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/29 00:57 |
| S91 | 84 | (alternat\$4 OR switch\$4 OR chang\$4) WITH (carbon) WITH (feedstock OR source OR material OR precursor) WITH (synthesis OR grow \$4) and "977"/\$.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/07/29 01:01 |

EAST Search History (Interference)

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7/29/2010 2:46:06 PM

C:\ Documents and Settings\ mlouie\ My Documents\ EAST\ Production \ Hiramatsu_10569838_carbon_nanowalls_decompose_radical_source.wsp